

ABSTRACT

A process is provided for controlling two or more properties of a lubricant or working fluid for use in a system in which operating conditions change. . The process contains the steps of: (i) providing a base fluid in which the two or more properties are optimal for "warm" operating conditions; (ii) providing a diluent which is miscible with the base fluid under all system operating conditions; and, (iii) reversibly diluting said base fluid with the diluent in response to change in system operating conditions. An apparatus for carrying out the process is also disclosed.